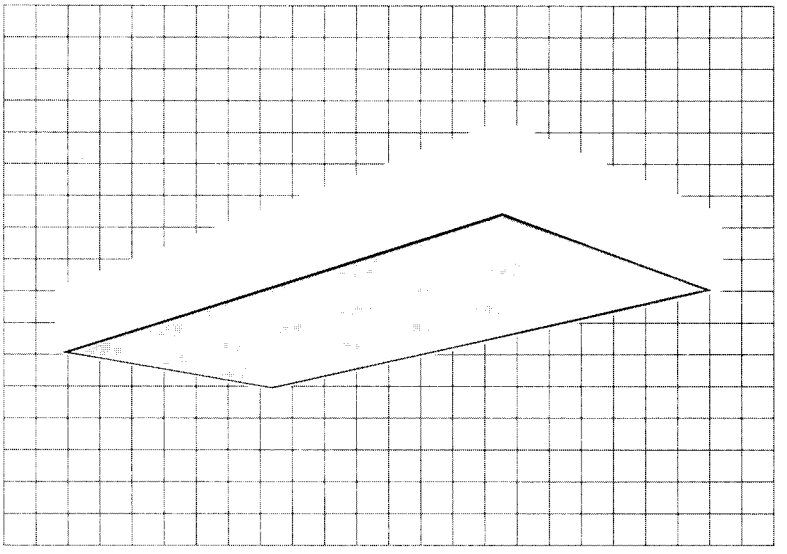
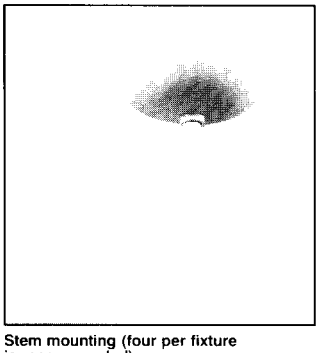
DPB2S18DS340 ☆☆☆☆

DEEPCEL SURFACE
2′ × 4′ SURFACE FLUORESCENT
3″ DEEP, 18 CELL PARABOLIC LOUVER

- Only 5½″ deep.
- Welded 20 gauge steel body.
- 45° mitered corners (body and louver).
- Side-mounted ballast for cooler operation.
- Coilzak® aluminum parabolic louver.
- Vertical grain on louver eliminates reflected lamp images on cross baffle.
- Perfectly uniform four-side black reveal.
- Spring-loaded "roosterhead" latches.
- Reversible louver hinging.
- Door jamb with integral positive light stop.
- Flush end K.O.s for smooth surface appearance (at end of row or individual).
- Interchangeable with Lytecel 1½″ × 1½″ × 1″ deep, injection molded louver or 1¼″ deep regressed (DR) aluminum lens frame.
- Protective film dust guard.
- Meets NYC Code requirements.

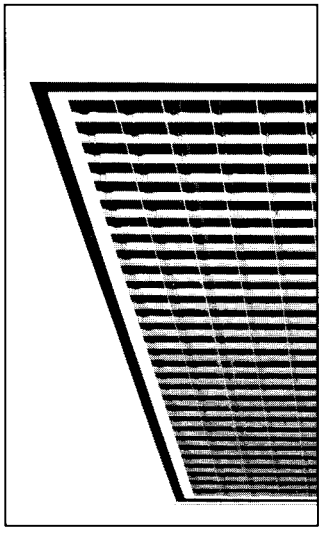


MOUNTING METHOD

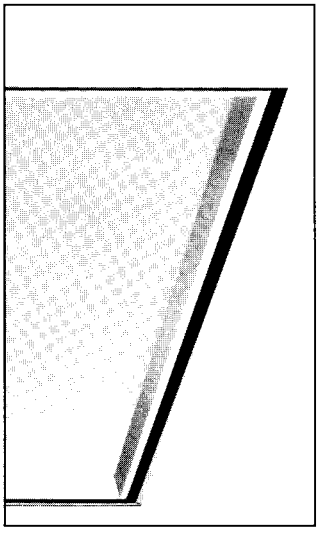


Stem mounting (four per fixture is recommended)

OPTIONS



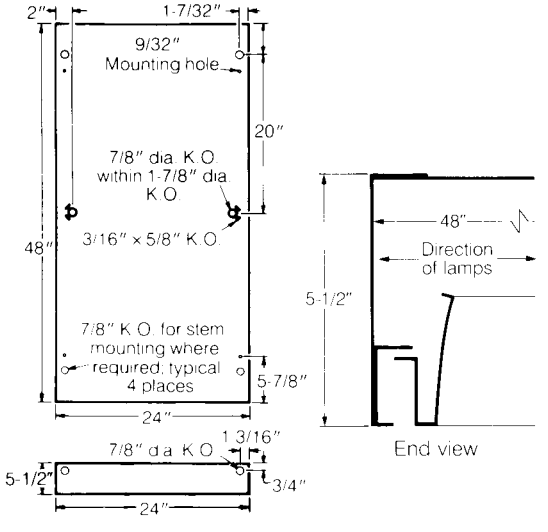
Lytecel 1½″ × 1½″ × 1″ deep, injection molded louver



1¼″ deep regressed aluminum lens frame

DIMENSIONS

All K.O.s are ⅞″ unless otherwise noted.



FIXTURE SCHEDULE

TYPE	CATALOG NO.	VOLTS

REMARKS:

LIGHTOLIER® a GENLYTE company

DPB2S18DS340 DEEPCEL SURFACE
2′ × 4′ SURFACE FLUORESCENT

PHOTOMETRY

itl boulder
THE LIGHT CENTER OF THE INDUSTRY
FAX (303) 449-5274
INDEPENDENT TESTING LABORATORIES INC. • 3186 LONGHORN ROAD BOULDER COLORADO 80302 • PHONE (303) 442-1255

REPORT NUMBER: ITL37098 DATE: 7-20-1990
PREPARED FOR: LIGHTOLIER-GENLYTE
CATALOG NUMBER: DPB2S18DS340
LUMINAIRE: FABRICATED METAL HOUSING, WHITE-PAINTED REFLECTOR, SEMI-SPECULAR 18-CELL PARABOLIC LOUVER.
LAMPS: THREE F40T12/CW, EACH RATED 3150 LUMENS.
BALLASTS: ONE MAGNATEK 446-L-SLH-TC-P, ONE MAGNATEK 412-L-SLH-TC-P
MOUNTING: SURFACE
LUMEN TO CANDELA RATIO USED = 9.17
TOTAL INPUT WATTS =134.6 AT 120.0 VOLTS
THE 0 DEGREE PLANE IS PARALLEL WITH THE LAMPS.

CANDELA DISTRIBUTION

	0.0	22.5	45.0	67.5	90.0	FLUX
0	2346	2346	2346	2346	2346	
5	2350	2345	2347	2355	2351	225
15	2262	2296	2400	2511	2543	682
25	2133	2235	2488	2719	2808	1145
35	1969	2131	2457	2691	2772	1501
45	1721	1860	2012	1926	1863	1449
55	1296	1302	1256	1150	1153	1077
65	538	525	486	411	366	458
75	23	30	30	30	30	37
85	0	6	6	6	6	6
90	0	0	0	0	0	

ZONAL LUMEN SUMMARY

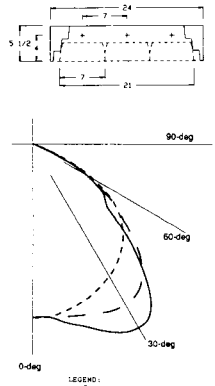
ZONE	LUMENS	%LAMP	%FIXT	
0- 30	2053	21.7	31.2	
0- 40	3554	37.6	54.0	
0- 60	6080	64.3	92.4	
0- 90	6581	69.6	100.0	
90-180	0	0.0	0.0	
0-180	6581	69.6	100.0	

TOTAL LUMINAIRE EFFICIENCY = 69.6 %
TOTAL REFLECTANCE OF PAINT = 92.8 %
CIE TYPE - DIRECT

PLANE	: 0-DEG	90-DEG
SPACING CRITERIA	: 1.3	1.6
SHIELDING ANGLES	: 22	25
PLANE	: 0-DEG	90-DEG
LUMINOUS LENGTH	:45.000	21.000

LUMINANCE DATA IN FOOTLAMBERTS

ANGLE IN DEG	AVERAGE 0-DEG	AVERAGE 45-DEG	AVERAGE 90-DEG
45	1165.	1362.	1261.
55	1082.	1048.	962.
65	610.	550.	415.
75	42.	56.	56.
85	0.	30.	35.



Checked
Approved

MODEL NO. DPB2S18DS340

coefficients of utilization—zonal cavity method

	RF	20			20			20		
	RC	80			50			30		
	RW	70	50	30	50	30	10	50	30	10
room cavity ratio	1	78	75	73	71	69	68	68	67	65
	2	72	68	64	64	61	59	62	60	58
	3	67	61	56	58	54	51	56	53	51
	4	62	55	50	52	48	45	51	47	44
	5	57	49	43	47	42	39	45	41	38
	6	52	44	38	42	37	34	41	37	34
	7	48	39	34	38	33	29	37	33	29
	8	44	35	30	34	29	25	33	29	25
	9	41	31	26	30	25	22	29	25	22
	10	38	28	23	27	23	19	27	22	19

visual comfort probability (VCP) average 100 fc. reflectances 80/50/20

room size		luminaires lengthwise: ceiling height				luminaires crosswise: ceiling height			
W	L	8.5	10.0	13.0	16.0	8.5	10.0	13.0	16.0
20	20	75	69	69	77	77	73	71	78
20	30	78	73	67	67	80	76	72	69
20	40	80	76	71	68	83	79	76	72
20	60	80	76	74	71	84	81	79	75
30	20	80	74	69	76	82	76	71	76
30	30	83	77	68	66	84	79	73	68
30	40	84	80	72	67	86	81	76	70
30	60	84	80	75	70	87	83	79	73
30	80	84	80	75	71	88	84	80	76
40	20	80	77	73	76	82	79	74	76
40	30	84	79	72	67	85	82	75	68
40	40	85	82	75	68	87	84	78	71
40	60	86	82	78	71	88	85	81	73
40	80	86	82	78	72	89	86	82	76
40	100	86	82	78	72	89	86	84	78
60	30	84	79	74	70	85	82	77	70
60	40	86	82	77	70	87	84	80	73
60	60	86	83	80	73	88	86	82	75
60	80	86	84	80	75	89	87	84	77
60	100	86	84	80	75	89	87	84	79
100	40	86	82	77	72	87	84	80	75
100	60	86	83	80	75	88	86	83	77
100	80	86	84	81	77	89	87	84	79
100	100	86	83	81	77	89	87	85	81

ORDERING INFORMATION

Explanation of Catalog Number Example: DPB2S18DS340120LEGLR

DP	B	2	S		D	S	3	40			
3" DEEPCEL PARABOLIC: Pre-anodized aluminum louver	BODY STYLE: Surface Box	FIXTURE WIDTH	CEILING TYPE: S = Surface	NUMBER OF CELLS 18 or 24	LOUVER FINISH*: D = Semi-specular L = Low Iridescence Semi-specular P = Low Iridescence Specular S = Specular W = White Paint G = Champagne Gold	BALLAST COVER	LAMP QUANTITY	LAMP LENGTH	VOLTAGE: 120 or 277	BALLAST TYPE: LE = Low Energy OC = Octron SS = Electronic SO = Electronic Octron DIM = Dimming	OPTIONS: Add appropriate suffix to catalog no., ie: (GLR)

*Consult factory for availability of louver finishes.

OPTIONS/ACCESSORIES

STEM AND CANOPY SETS: Suspends fixture 6", 12", 18" or 24" from surface. (Four per fixture is recommended.)
CATALOG NUMBER: ASC6 (6")
ASC12 (12")
ASC18 (18")
ASC24 (24")

FUSING: Internal fast-blow fusing. SUFFIX: GLR.
Internal slow-blow fusing. SUFFIX: GMF.
RADIO INTERFERENCE FILTER: 120 or 277 volt, 50 or 60 Hz. One per fixture standard. SUFFIX: RF.
ELECTRICAL/WIRING OPTIONS: Consult factory.

SPECIFICATIONS

PERFORMANCE: In an installation of 3 lamp 40W luminaires in a room cavity ratio of 1, with reflectance of 80% ceiling, 50% wall, 20% floor, the C.U. shall not be less than .75. To prevent glare the VCP shall be not less than 86 either lengthwise or crosswise (at 100 fc level) and the average brightness at 65° shall not exceed 610 footlamberts. To control veiling reflections, luminaire output in the 30°–90° zone shall be not less than 69%.
MATERIALS: Chassis parts are die-formed 20 gauge steel, welded for rigidity with all seams finished smooth. Louver is pre-anodized aluminum. (Coilzak® or equal.)
STANDARD FINISH: Louver—semi-specular anodized, vertical grain aluminum reflector sheet. Cavity—white baked acrylic enamel, minimum 86% reflectance. Phosphate undercoating. Chassis exterior—white baked acrylic enamel.
ELECTRICAL: Rapid start HPF, LE (low energy) thermally protected class "P" ballast C.B.M. certified by E.T.L. If K.O. is within 3" of ballast, use wire suitable for at least 90°.
LABELS: I.B.E.W. Listed by Underwriters Laboratories.

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a GENLYTE company
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